

2009 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location		Station No.	Carbon Monoxide ^{a)}			Ozone								Nitrogen Dioxide ^{d)}				Sulfur Dioxide ^{e)}			
			No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	Health Advisory ≥ 0.15 ppm 1-hour	No. Days Standard Exceeded				No. Days of Data	Max. Conc. in ppm 1-hour	98 th Percentile Conc. ppm 1-hour	Annual Average AAM Conc. ppm	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour
											Federal ^{b)}		State ^{c)}								
LOS ANGELES COUNTY											Old > 0.12 ppm 1-hour	Current > 0.075 ppm 8-hour	Current > 0.09 ppm 1-hour	Current > 0.070 ppm 8-hour							
1	Central LA	087	357	3	2.2	365	0.139	0.100	0.073	0	1	2	3	5	365	0.12	0.07	0.0281	365	0.01	0.002
2	Northwest Coastal LA County	091	365	2	1.5	365	0.131	0.094	0.075	0	1	3	6	5	355	0.17	0.06	0.0170	--	--	--
3	Southwest Coastal LA County	820	349	2	1.9	352	0.077	0.070	0.061	0	0	0	0	0	362	0.08	0.07	0.0159	362	0.02	0.006
4	South Coastal LA County 1	072	362	3	2.2	363	0.089	0.068	0.064	0	0	0	0	0	362	0.11	0.07	0.0212	361	0.02	0.005
4	South Coastal LA County 2	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6	West San Fernando Valley	074	365	4	2.8	365	0.135	0.100	0.093	0	1	19	15	31	365	0.07	0.06	0.0171	--	--	--
7	East San Fernando Valley	069	365	3	2.9	365	0.145	0.096	0.086	1	1	14	16	28	353	0.09	0.07	0.0274	362	0.01	0.003
8	West San Gabriel Valley	088	365	4	2.1	365	0.176	0.114	0.095	1	3	12	12	19	365	0.08	0.06	0.0221	--	--	--
9	East San Gabriel Valley 1	060	357	3	1.7	365	0.150	0.107	0.091	1	4	17	23	32	365	0.10	0.07	0.0194	--	--	--
9	East San Gabriel Valley 2	591	351	3	2.1	352	0.150	0.118	0.108	3	7	42	45	64	350	0.09	0.06	0.0170	--	--	--
10	Pomona/Walnut Valley	075	365	3	1.8	365	0.138	0.099	0.095	0	1	23	25	37	365	0.10	0.08	0.0274	--	--	--
11	South San Gabriel Valley	085	365	3	2.1	365	0.131	0.101	0.072	0	1	3	8	6	361	0.10	0.07	0.0259	--	--	--
12	South Central LA County	112+	354	7	4.6	354	0.104	0.086	0.064	0	0	1	2	1	354	0.09	0.07	0.0214	--	--	--
13	Santa Clarita Valley	090	361	2	1.4	357	0.140	0.122	0.103	0	5	64	57	77	357	0.13	0.05	0.0151	--	--	--
ORANGE COUNTY																					
16	North Orange County	3177	365	4	2.3	365	0.115	0.082	0.075	0	0	3	4	9	365	0.10	0.06	0.0206	--	--	--
17	Central Orange County	3176	365	3	2.7	365	0.093	0.077	0.068	0	0	1	0	2	365	0.07	0.06	0.0179	--	--	--
18	North Coastal Orange County	3195	362	3	2.2	365	0.087	0.075	0.066	0	0	0	0	3	365	0.07	0.06	0.0130	364	0.01	0.004
19	Saddleback Valley	3812	362	2	1.0	362	0.121	0.095	0.084	0	0	10	7	14	--	--	--	--	--	--	
RIVERSIDE COUNTY																					
22	Norco/Corona	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
23	Metropolitan Riverside County 1	4144	364	2	1.9	346	0.116	0.100	0.089	0	0	35	25	57	357	0.08	0.06	0.0171	364	0.01	0.003
23	Metropolitan Riverside County 2	4146	365	3	1.8	--	--	--	--	--	--	--	--	--	365	0.08	0.06	0.0200	--	--	--
23	Mira Loma	4165	364	3	2.4	364	0.118	0.090	0.086	0	0	22	15	37	364	0.08	0.05	0.0158	--	--	--
24	Perris Valley	4149	--	--	--	354	0.125	0.108	0.101	0	1	67	53	88	--	--	--	--	--	--	
25	Lake Elsinore	4158	365	1	0.7	365	0.128	0.105	0.096	0	1	37	24	65	365	0.06	0.04	0.0129	--	--	--
29	Banning Airport	4164	--	--	--	359	0.133	0.104	0.100	0	1	70	55	93	359	0.06	0.05	0.0109	--	--	--
30	Coachella Valley 1**	4137	365	2	0.7	365	0.120	0.098	0.096	0	0	53	0	73	349	0.05	0.04	0.0081	--	--	--
30	Coachella Valley 2**	4157	--	--	--	365	0.097	0.090	0.085	0	0	24	0	41	--	--	--	--	--	--	
SAN BERNARDINO COUNTY																					
32	Northwest San Bernardino Valley	5175	365	2	1.5	365	0.146	0.121	0.102	1	3	49	51	71	363	0.11	0.07	0.0239	--	--	--
33	Southwest San Bernardino Valley	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
34	Central San Bernardino Valley 1	5197	365	2	1.5	365	0.142	0.128	0.100	0	3	48	45	65	365	0.11	0.07	0.0235	365	0.01	0.002
34	Central San Bernardino Valley 2	5203	363	3	1.9	363	0.150	0.126	0.101	1	2	62	53	79	363	0.08	0.06	0.0196	--	--	--
35	East San Bernardino Valley	5204	--	--	--	365	0.145	0.122	0.100	1	1	73	62	91	--	--	--	--	--	--	
37	Central San Bernardino Mountains	5181	--	--	--	364	0.149	0.121	0.110	2	7	92	70	107	--	--	--	--	--	--	
38	East San Bernardino Mountains	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DISTRICT MAXIMUM				7	4.6		0.176	0.128	0.110	3	7	92	70	107		0.17	0.08	0.0281		0.02	0.006
SOUTH COAST AIR BASIN				7	4.6		0.176	0.128	0.110	6	15	113	102	133		0.17	0.08	0.0281		0.02	0.006

ppm - Parts Per Million parts of air, by volume.

AAM = Annual Arithmetic Mean

-- - Pollutant not monitored.

a) - The federal 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded.

The federal and state 1-hour standards (35 ppm and 20 ppm) were not exceeded, either.

b) - The federal 1-hour ozone standard was revoked and replaced by the 8-hour average ozone standard effective June 15, 2005. U.S. EPA has revised the federal 8-hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008.

c) - The 8-hour average California ozone standard of 0.070 ppm was established effective May 17, 2006.

d) - The federal standard is annual arithmetic mean NO₂ > 0.0534 ppm. California Air Resources Board has revised the NO₂ 1-hour state standard from 0.25 ppm to 0.18 ppm and has established a new annual standard of 0.030 ppm, effective March 20, 2008. U.S. EPA has established a new NO₂ 1-hour standard of 100 ppb (0.100 ppm), effective April 7, 2010.

e) - The state standards are 1-hour average SO₂ > 0.25 ppm and 24-hour average SO₂ > 0.04 ppm. U.S. EPA has revised the federal standard by establishing a new SO₂ 1-hour standard of 75 ppb (0.075 ppm) and revoking the existing annual (0.03 ppm) and 24-hour (0.14 ppm) SO₂ standards, effective August 2, 2010. The federal and state SO₂ standards were not exceeded.



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2009 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location	Station No.	Suspended Particulates PM10 ^{f)}					Fine Particulates PM2.5 ^{g)}					Particulates TSP			Lead		Sulfate		
		No. Days of Data	Max. Conc. in µg/m ³	No. (%) Samples Exceeding Standards			Annual Average Conc. ^{h)} (AAM) µg/m ³	No. Days of Data	Max. Conc. in µg/m ³	98 th Percentile Conc. in µg/m ³	No. (%) Samples Exceeding Federal Std > 35 µg/m ³ (AAM) µg/m ³	Annual Average Conc. ⁱ⁾ (AAM) µg/m ³	No. Days of Data	Max. Conc. in µg/m ³	Annual Average Conc. ^{j)} (AAM) µg/m ³	Max. Monthly Average Conc. ^{j)} µg/m ³	Max. Quarterly Average Conc. ^{j)} µg/m ³	Max. Conc. in µg/m ³ 24-hour	No. Days Exceeding State Std ≥ 25 µg/m ³ 24-hour
				Federal µg/m ³	State µg/m ³	24-hour													
LOS ANGELES COUNTY																			
1 Central LA	087	60	72	0	4(6.7)	33.1	365	61.7	34.0	7(1.9)	14.3	61	148	66.8	0.00	0.00	9.8	0	
2 Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	59	99	50.8	--	--	9.1	0	
3 Southwest Coastal LA County	820	60	52	0	1(1.7)	25.4	--	--	--	--	--	48	87	42.4	0.00	0.00	8.6	0	
4 South Coastal LA County 1	072	57	62	0	3(5.3)	30.5	365	63.4	34.2	6(1.6)	13.0	60	128	55.4	0.00	0.00	13.6	0	
4 South Coastal LA County 2	077	56	83	0	5(8.9)	33.2	365	55.8	30.5	4(1.1)	12.5	59	159	65.2	0.00	0.00	12.1	0	
6 West San Fernando Valley	074	--	--	--	--	--	122	39.9	27.2	1(0.8)	11.4	--	--	--	--	--	--	--	
7 East San Fernando Valley	069	60	80	0	11(18.3)	39.2	295	67.5	34.4	4(1.4)	14.4	--	--	--	--	--	--	--	
8 West San Gabriel Valley	088	--	--	--	--	--	122	52.0	35.7	3(2.5)	12.3	59	153	48.5	--	--	8.8	0	
9 East San Gabriel Valley 1	060	52	74	0	7(13.5)	32.0	189	72.1	42.9	6(3.2)	12.8	58	208	74.9	--	--	7.9	0	
9 East San Gabriel Valley 2	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10 Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11 South San Gabriel Valley	085	--	--	--	--	--	124	71.1	35.4	3(2.4)	14.8	59	194	69.7	0.01	0.01	9.9	0	
12 South Central LA County+	112+	--	--	--	--	--	122	69.2	37.7	3(2.5)	14.7	57	118	59.6	0.01	0.01	9.9	0	
13 Santa Clarita Valley	090	53	56	0	1(1.9)	23.4	--	--	--	--	--	--	--	--	--	--	--	--	
ORANGE COUNTY																			
16 North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
17 Central Orange County	3176	56	63	0	1(1.8)	30.9	365	64.6	32.1	4(1.1)	11.8	--	--	--	--	--	--	--	
18 North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
19 Saddleback Valley	3812	59	41	0	0	23.0	122	39.2	23.8	1(0.8)	9.5	--	--	--	--	--	--	--	
RIVERSIDE COUNTY																			
22 Norco/Corona	4155	59	79	0	7(11.9)	35.6	--	--	--	--	--	--	--	--	--	--	--	--	
23 Metropolitan Riverside County 1	4144	118	77	0	34(28.8)	42.5	359	47.2	39.6	12(3.4)	15.3	60	161	87.6	0.00	0.00	7.3	0	
23 Metropolitan Riverside County 2	4146	--	--	--	--	--	122	42.2	34.0	2(1.6)	13.4	61	162	66.0	0.00	0.00	6.8	0	
23 Mira Loma	4165	59	108	0	33(55.9)	53.4	295	49.3	40.6	16(5.4)	16.9	--	--	--	--	--	--	--	
24 Perris Valley	4149	58	80	0	9(15.5)	34.8	--	--	--	--	--	--	--	--	--	--	--	--	
25 Lake Elsinore	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
29 Banning Airport	4164	59	99	0	1(1.7)	25.9	--	--	--	--	--	--	--	--	--	--	--	--	
30 Coachella Valley 1**	4137	54	140	0	1(1.9)	22.6	122	21.8	14.6	0	6.7	--	--	--	--	--	--	--	
30 Coachella Valley 2**	4157	120	132	0	9(7.5)	32.5	122	27.6	17.0	0	7.9	--	--	--	--	--	--	--	
SAN BERNARDINO COUNTY																			
32 Northwest San Bernardino Valley	5175	--	--	--	--	--	--	--	--	--	--	59	123	58.5	0.00	0.00	6.8	0	
33 Southwest San Bernardino Valley	5817	61	70	0	8(13.1)	35.3	122	46.9	35.9	3(2.5)	14.7	--	--	--	--	--	--	--	
34 Central San Bernardino Valley 1	5197	60	75	0	13(21.7)	40.2	122	46.4	32.7	2(1.6)	14.3	58	185	84.3	--	--	6.7	0	
34 Central San Bernardino Valley 2	5203	52	66	0	11(21.2)	41.5	122	37.9	35.2	3(2.4)	13.0	61	125	74.3	0.01	0.00	7.1	0	
35 East San Bernardino Valley	5204	60	52	0	2(3.3)	30.2	--	--	--	--	--	--	--	--	--	--	--	--	
37 Central San Bernardino Mountains	5181	50	57	0	1(2.0)	24.1	--	--	--	--	--	--	--	--	--	--	--	--	
38 East San Bernardino Mountains	5818	--	--	--	--	--	61	40.8	29.4	1(1.6)	9.9	--	--	--	--	--	--	--	
DISTRICT MAXIMUM			140	0	34	53.4		72.1	42.9	16	16.9		208	87.6	0.01	0.01	13.6	0	
SOUTH COAST AIR BASIN			108	0	59	53.4		72.1	42.9	27	16.9		208	87.6	0.01	0.01	13.6	0	

µg/m³ - Micrograms per cubic meter of air.

AAM = Annual Arithmetic Mean

-- Pollutant not monitored.

f) - PM10 samples were collected every 6 days at all sites except for Station Numbers 4144 and 4157 where samples were collected every 3 days.

g) - PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 069, 072, 077, 087, 3176, 4144 and 4165 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

h) - Federal annual PM10 standard (AAM > 50 µg/m³) was revoked effective December 17, 2006. State standard is annual average (AAM) > 20 µg/m³.

i) - Federal PM2.5 standard is annual average (AAM) > 15.0 µg/m³. State standard is annual average (AAM) > 12.0 µg/m³.

j) - Federal lead standards are rolling 3-month average > 0.15 µg/m³, and quarterly average > 1.5 µg/m³. State standard is monthly average ≥ 1.5 µg/m³.



Maps showing the source/receptor area boundaries can be accessed via the Internet by entering your address in the AQMD Current Hourly Air Quality Map, accessed from <http://www2.aqmd.gov/webappl/gisaqi2/VEMap3D.aspx> or at <http://www.aqmd.gov/map/MapAQMD2.pdf>. A map is also available free of charge from the AQMD Public Information Center at 1-800-CUT-SMOG.